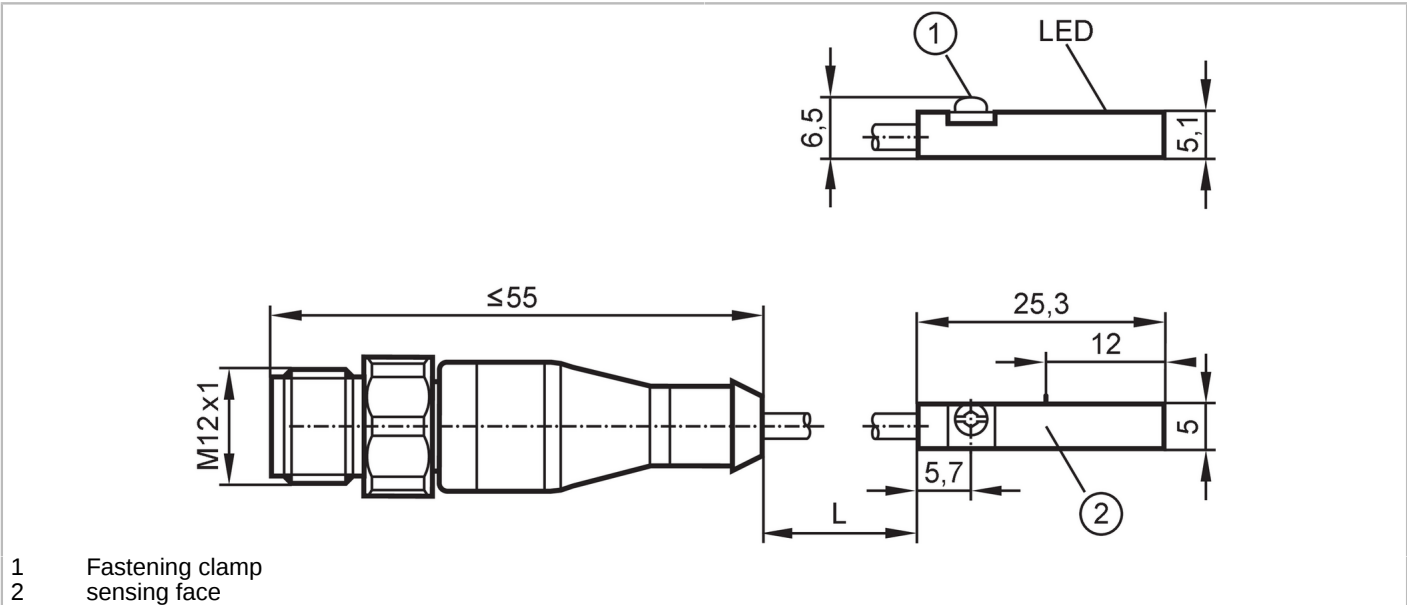


MK5186



T-slot cylinder sensor

MKT3020BANKG/A/0,3M/-H/US



- 1 Fastening clamp
2 sensing face



Product characteristics

Electrical design	NPN
Output function	normally open
Dimensions [mm]	25 x 5 x 6.5

Application

Principle of operation	AMR-Zelle
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Electrical data

Operating voltage [V]	10...30 DC; (cULus - Class 2 source required)
Current consumption [mA]	< 10
Protection class	III
Reverse polarity protection	yes
Max. power-on delay time [ms]	30

Outputs

Electrical design	NPN
Output function	normally open
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	6000
Short-circuit protection	yes
Overload protection	yes

Monitoring range

Magnetic sensitivity [mT]	2
Travel speed [m/s]	> 10

Accuracy / deviations

Hysteresis [mm]	1
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Repeatability	[mm]	< 0.2
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Operating conditions

Ambient temperature	[°C]	-25...85
Protection		IP 65; IP 67; IP 69K

Tests / approvals

EMC	EN 61000-4-2 ESD	- CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF conducted	10 V
	EN 55011	class B
MTTF	[years]	2076
UL approval	UL approval number	C003

Mechanical data

Weight	[g]	21.2
Mounting		flush mountable
Type of mounting		fastening clamp with combined slot / hexagon socket, width across flats 1.5
Cylinder type		T-slot cylinders
Dimensions	[mm]	25 x 5 x 6.5
Material		housing: PA; Fastening clamp: stainless steel

Displays / operating elements

Display	Switching status	1 x LED, yellow
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Accessories

Items supplied	rubber memory stop: 1
	cable clip: 1

Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

Cable: 0.3 m, PVC

Connector: 1 x M12; coding: A; Contacts: 4; Locking: Hexagon nut, rotatable, stainless steel



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Connection

